

Entity-Relationship Diagram for the Park Management System:

- Entities and Attributes:**
  - AP\_USER:** AP\_USER\_ID, USER\_NAME, PASSWORD, ...
  - PARK:** PARK\_ID, NAME, ...
  - PARK\_USER:** PARK\_USER\_ID, PARK\_ID, AP\_USER\_ID, ...
  - PARK\_GROUP:** PARK\_GROUP\_ID, PARK\_USER\_ID, PARK\_ID, NAME, ...
  - PERMISSION:** PERMISSION\_ID, AREA\_ID, AREA\_TYPE\_ID, ENTITY\_ID, PARK\_ID, READ\_P, ADMIN\_P, ...
  - FORM:** FORM\_ID, APPL\_ID, NAME, ...
  - FORM\_FIELD:** FORM\_FIELD\_ID, FORM\_FLD\_TYPE, FORM\_ID, ...
  - REPORT:** REPORT\_ID, REPORT\_TYPE, FORM\_ID, ...
  - BUSINESS\_RULE:** BUSINESS\_RULE\_ID, RULE\_TYPE, FORM\_ID, ...
  - EMAIL\_TEMPLATE:** EMAIL\_TEMPLATE\_ID, EMAIL\_TEMPLATE, FORM\_ID, PASSWORD, ...
- Relationships:**
  - AP\_USER to PARK\_USER (Foreign key on PARK\_USER\_ID)
  - PARK to PARK\_USER (Foreign key on PARK\_ID)
  - PARK\_USER to PARK\_GROUP (Foreign key on PARK\_USER\_ID)
  - PARK\_USER to PERMISSION (Foreign key on PARK\_ID)
  - PARK\_GROUP to PERMISSION (Foreign key on PARK\_ID)
  - FORM to FORM\_FIELD (Foreign key on FORM\_ID)
  - FORM to REPORT (Foreign key on FORM\_ID)
  - FORM to BUSINESS\_RULE (Foreign key on FORM\_ID)
  - FORM to EMAIL\_TEMPLATE (Foreign key on FORM\_ID)

Legend:

- Foreign key
- Pseudo-foreign key

Fig. 7.